

AMENDMENTS TO THE CLAIMS

1. (canceled)
2. (currently amended) ~~A~~The process for preparing catalyst systems as claimed in claim ~~1~~6, wherein ~~a magnesium compound MgR^1_2 is used in step B)~~n is 2.
3. (currently amended) ~~A~~The process for preparing catalyst systems as claimed in claim ~~1~~6, wherein the halogenating reagent used in step C) is chloroform.
4. (currently amended) ~~A~~The process for preparing catalyst systems as claimed in claim ~~1~~6, wherein the inorganic metal oxide used in step A) is a silica gel.
5. (canceled)
6. (currently amended) A process for preparing catalyst systems ~~as claimed in claim 1 of the~~
Ziegler Natta type, which comprises the following steps:
 - A) bringing an inorganic metal oxide into contact with ~~a tetravalent titanium compound~~titanium tetrachloride; and
 - B) bringing the intermediate obtained from step A) into contact with a magnesium compound $MgR^1_nX^1_{2-n}$, where X^1 are each, independently of one another, fluorine, chlorine, bromine, iodine, hydrogen, NR^X_2 , OR^X , SR^X , SO_3R^X or $OC(O)R^X$, and R^1 and R^X are each, independently of one another, a linear, branched or cyclic C_1 - C_{20} -alkyl, a C_2 - C_{10} -alkenyl, an alkylaryl having 1-10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or a C_6 - C_{18} -aryl and n is 1 or 2,
 - C) bringing the intermediate obtained from step B) into contact with a halogenating reagent of the formula $R^Y_s-E-Y_{4-s}$, where R^Y are each, independently of one another, hydrogen, a linear, branched or cyclic C_1 - C_{20} -alkyl, a C_2 - C_{10} -alkenyl, an alkylaryl having 1-10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or a

C₆-C₁₈-aryl, E is carbon or silicon, Y is fluorine, chlorine, bromine or iodine and s is 0, 1, 2 or 3 when E is carbon and s is 1, 2 or 3 when E is silicon, and

D) ~~optionally~~ bringing the intermediate obtained from step C) into contact with a donor compound containing at least one nitrogen atom.

7. (canceled)

8. (currently amended) A catalyst system of the Ziegler-Natta type ~~which can be prepared by~~ the process as claimed in claim 4.

9. (currently amended) ~~A prepolymerized~~ The catalyst system comprising a catalyst system as claimed in claim 7 and 8, further comprising prepolymerized linear C₂-C₁₀-1-alkenes ~~polymerized onto it~~ in a mass ratio of from 1:0.1 to 1:200.

10. (currently amended) A process for the polymerization or copolymerization of olefins at from 20 to 150°C and pressures of from 1 to 100 bar in the presence of at least one catalyst system as claimed in claim 8 and, ~~if appropriate~~ optionally, an aluminum compound as cocatalyst.

11. (currently amended) ~~A~~ The process for the polymerization or copolymerization of olefins as claimed in claim 10, wherein a trialkylaluminum compound whose alkyl groups each have from 1 to 15 carbon atoms is used as the aluminum compound.

12. (currently amended) ~~A~~ The process for the polymerization or copolymerization of olefins as claimed in claim 10, wherein ethylene or a mixture of ethylene and C₃-C₈-α-monoolefins is (co)polymerized.

13. (canceled)